

ABSTRACT

Method and device for heightening communications security.

Gateway 3 receives packet P1 from caller terminal 1a, and creates and transmits to receiver terminal 1b packet P2, in which 5 destination IP address, source IP address, destination port, source port, and session ID for packet P1 are rewritten. Gateway 3 also receives packet P3 from receiver terminal 1b, and creates and transmits to caller terminal 1a packet P4, in which destination IP address, source IP address, destination port, 10 source port, and session ID for packet P3 are rewritten. Because communications between every terminal are identifiable according to session ID, a plurality of communications through the same port may be supported, which is favorable security-wise.